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recursive iir system

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### The gamma-filter-a new class of adaptive IIR filters with restricted feedback - [tue.nl](#) (PDF)

 JC Principe, B de Vries, PG de Oliveira - Signal Processing, IEEE Transactions on [see also Acoustics, ..., 1993 - [ieeexplore.ieee.org](#)

 ... concern- ing the gamma filter performance in a system identifica- tion ...  $n = 1$ , the gamma filter transfer function is of IIR type due to the recursion in (6 ...

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### Analysis/synthesis techniques for subband image coding

 MJT Smith, SL Eddins - Acoustics, Speech, and Signal Processing [see also IEEE ..., 1990 - [ieeexplore.ieee.org](#)

... the theory, design, and implementation of both recursive and nonrecursive ... methods are generalized to include IIR filtering ... IION I Image Size I System Type QhIF ...

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### Blind system identification and channel equalization of IIR systems without statistical information - [newcastle.edu.au](#) (PDF)

 E Bai, M Fu - Signal Processing, IEEE Transactions on [see also Acoustics, ..., 1999 - [ieeexplore.ieee.org](#)

... so that many standard recursive algorithms can be readily applied. It is also shown in the paper that under a generic condition, any finite-order IIR system is ...

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### Active sound attenuation system with on-line adaptive feedback cancellation

 LJ Eriksson - US Patent 4,677,677, 1987 - [freepatentsonline.com](#)

... The present invention involves providing an IIR recursive filter model to adaptively model acoustic system 4 and feedback path 20. ...

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### Efficient sampling rate alteration using recursive (IIR) digital filters

 R Ansari, B Liu - Acoustics, Speech, and Signal Processing [see also IEEE ..., 1983 - [ieeexplore.ieee.org](#)

... The use of recursive filters with approximately linear ... Section V, the proposed IIR scheme also appears ... of Scientific Research, Air Force Systems Command, USAF ...

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### A new class of two-channel biorthogonal filter banks and wavelet bases

 SM Phcong, CW Kim, PP Vaidyanathan, R Ansari - Signal Processing, IEEE Transactions on [see also Acoustics, ..., 1995 - [ieeexplore.ieee.org](#)

... given. The authors apply the technique on a 1-D two- channel orthogonal IIR system to achieve a 2-D IIR filter bank. The resulting ...

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### Fast recursive filtering with multiple slow processing elements

 HH Lu, E Lee, D Messerschmitt - Circuits and Systems, IEEE Transactions on, 1985 - [ieeexplore.ieee.org](#)

... the poles of the block-state system approach the ... only equation (2.11), which is not recursive, is relevant ... FIR filter that approximates the desired IIR response ...

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**[CITATION] Breaking the recursive bottleneck**

D Messerschmitt - Performance Limits in Communication Theory and Practice, 1988 - Kluwer Academic Pub

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**High-speed recursive digital filter realization**

HH Loomis, B Sinha - Circuits, Systems, and Signal Processing, 1984 - Springer

Page 1. CIRCUITS SYSTEMS SIGNAL PROCESS Vol. 3, NO. 3, 1984 HIGH-SPEED RECURSIVE ...

Application to recursive (IIR) filters has not previously been shown. ...

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**Direct RF sampling mixer with recursive filtering in charge domain**

K Muhammad, RB Staszewski, WAT Center, TI Inc, TX ... - Circuits and Systems, 2004. ISCAS'04. Proceedings of the ..., 2004 - [ieeexplore.ieee.org](#)

... in the system at sampling time  $j$ , where  $i = N \cdot j$ , (as stated earlier,  $i$  is the RF cycle index) could be described as a single-pole recursive IIR equation:  $s \dots$

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Key authors: [M Smith](#) - [J Shynk](#) - [S Phoong](#) - [R Ansari](#) - [A Belouchrani](#)

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